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Nucleotide Sequence of Rhesus Monkey Dkk-1 (SEQ ID N0:1)

atgatggctc	tgggcgcagc	aggagctgcc	cgggtcttgg	tcgcgctgg	agcggcggct	60
cttggcggcc	accctctgct	gggagtgagc	gccacettga	actcggttct	caattccaac	120
gcgatcaaga	acctgcccccc	accgctgggc	ggcgctgcgg	ggcacccagg	ctctgcagtc	180
agcgccgcgc	caggaattct	gtacccgggc	ggaataagt	accagaccat	tgacaactac	240
cagccgtacc	cgtgcgcaga	ggatgaggag	tgccgcactg	atgagtactg	cgctagtccc	300
acccgcggag	gggacgcggg	cgtcaaatac	tgtctcgct	gcaggaagcg	ccgaaaacgc	360
tgcatgcgtc	acgctatgtg	ctgccccggg	aattactgca	aaaatggaat	atgtgtgtct	420
tctgatcaa	ataatttccg	agggaaatt	gagggaaacca	ttactgaaag	ctttggtaat	480
gatcatagca	ctttggatgg	gtattccaga	agaacaacat	tgtcttcaa	aatgttatcac	540
agcaaaggac	aagaaggatc	tgtgtgtctc	cggtcatcag	actgtgccac	aggactgtgt	600
tgtgctagac	acttctggtc	caagatctgt	aaacctgtcc	tcaaagaagg	tcaagtgtgt	660
accaagcata	gaagaaaagg	ctctcatggg	ctagaaatat	tccagcgttg	ttactgcgga	720
gaaggtctgt	cttgcggat	acagaaagat	caccatcaag	ccagtaattc	ttctaggctt	780
cacacttgc	agagacacta	a				801

FIG. 1

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Amino Acid Sequence of Dkk-1 Protein (SEQ ID NO:2)

1 MMALGAAGAA RVLVALVAAA LGGHPLLGV S ATLNSVLNSN AIKNLPPPLG GAAGHPGS AV
61 SAAPGILYPG GNKYQTIDNY QPYPCAEDEE CGTDEYCAS P TRGGDAGVQI CLACRKRRKR
121 CMRHAMCCPG NYCKNGICVS SDQNNFRGEI EETITESFGN DHSTLDGYSR RTTLSSKMYH
181 SKGQEGSVCL RSSDCATGLC CARHFWSKIC KPVLKEGQVC TKHRRKGSHG LEIFQRCYCG
241 EGLSCRIQKD HHQASNSSRL HTCQRH

FIG.2

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Alignment of Dickkopf-1 Nucleotide Sequences

101	150
Rhesus_Dickkopf-1	A TGATGGCTCT
Human_Dickkopf1	A TGATGGCTCT
151	200
Rhesus_Dickkopf-1 GGGCGCAGCA GGAGCTGCC GGGTCTTGGT CGCGCTGGTA GCGGCGGCTC	
Human_Dickkopf1 GGGCGCAGCG GGAGCTACCC GGGTCTTGT CGCGATGGTA GCGGCGGCTC	
201	250
Rhesus_Dickkopf-1 TTGGCGGCCA CCCTCTGCTG GGAGTGAGCG CCACCTTGAA CTCGGTTCTC	
Human_Dickkopf1 TCGGCGGCCA CCCTCTGCTG GGAGTGAGCG CCACCTTGAA CTCGGTTCTC	
251	300
Rhesus_Dickkopf-1 AATTCCAACG CGATCAAGAA CCTGCCCCCA CCGCTGGCG GCGCTGCGGG	
Human_Dickkopf1 AATTCCAACG CTATCAAGAA CCTGCCCCCA CCGCTGGCG GCGCTGCGGG	
301	350
Rhesus_Dickkopf-1 GCACCCAGGC TCTGCAGTCA GCGCCGCGCC AGGAATTCTG TACCCGGCG	
Human_Dickkopf1 GCACCCAGGC TCTGCAGTCA GCGCCGCGCC GGGAAATCCTG TACCCGGCG	
351	400
Rhesus_Dickkopf-1 GGAATAAGTA CCAGACCATT GACAAC TACC AGCCGTACCC GTGCGCAGAG	
Human_Dickkopf1 GGAATAAGTA CCAGACCATT GACAAC TACC AGCCGTACCC GTGCGCAGAG	
401	450
Rhesus_Dickkopf-1 GATGAGGAGT GCGGCAGTGA TGAGTACTGC GCTAGTCCCA CCCGCGGAGG	
Human_Dickkopf1 GACGAGGAGT GCGGCAGTGA TGAGTACTGC GCTAGTCCCA CCCGCGGAGG	
451	500
Rhesus_Dickkopf-1 GGACGCGGGC GTGCAAATCT GTCTCGCCTG CAGGAAGCGC CGAAAACGCT	
Human_Dickkopf1 GGACGCGGGC GTGCAAATCT GTCTCGCCTG CAGGAAGCGC CGAAAACGCT	
501	550
Rhesus_Dickkopf-1 GCATGCGTCA CGCTATGTGC TGCCCCGGGA ATTACTGCAA AAATGGAATA	
Human_Dickkopf1 GCATGCGTCA CGCTATGTGC TGCCCCGGGA ATTACTGCAA AAATGGAATA	

FIG.3A

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551	600
Rhesus_Dickkopf-1	TGTGTGTCTT CTGATCAAAA TAATTCGGA GGGGAAATTG AGGAAACCAT
Human_Dickkopf1	TGTGTGTCTT CTGATCAAAA TCATTCGGA GGAGAAATTG AGGAAACCAT
601	650
Rhesus_Dickkopf-1	TACTGAAAGC TTTGGTAATG ATCATAGCAC TTTGGATGGG TATTCCAGAA
Human_Dickkopf1	CACTGAAAGC TTTGGTAATG ATCATAGCAC CTTGGATGGG TATTCCAGAA
651	700
Rhesus_Dickkopf-1	GAACAACATT GTCTCAAAA ATGTATCACA GCAAAGGACA AGAAGGTTCT
Human_Dickkopf1	GAACCACCTT GTCTCAAAA ATGTATCACA CCAAAGGACA AGAAGGTTCT
701	750
Rhesus_Dickkopf-1	GTGTGTCTCC GGTCACTAGA CTGTGCCACA GGACTGTGTT GTGCTAGACA
Human_Dickkopf1	GTGTGTCTCC GGTCACTAGA CTGTGCCTCA GGATTGTGTT GTGCTAGACA
751	800
Rhesus_Dickkopf-1	CTTCTGGTCC AAGATCTGTA AACCTGTCCT CAAAGAAGGT CAAGTGTGTA
Human_Dickkopf1	CTTCTGGTCC AAGATCTGTA AACCTGTCCT GAAAGAAGGT CAAGTGTGTA
801	850
Rhesus_Dickkopf-1	CCAAGCATAG AAGAAAAGGC TCTCATGGGC TAGAAATATT CCAGCGTTGT
Human_Dickkopf1	CCAAGCATAG GAGAAAAGGC TCTCATGGAC TAGAAATATT CCAGCGTTGT
851	900
Rhesus_Dickkopf-1	TACTGCGGAG AAGGTCTGTC TTGCCGGATA CAGAAAGATC ACCATCAAGC
Human_Dickkopf1	TACTGTGGAG AAGGTCTGTC TTGCCGGATA CAGAAAGATC ACCATCAAGC
901	950
Rhesus_Dickkopf-1	CAGTAATTCT TCTAGGCTTC ACACTTGTCA GAGACACTAA (SEQ ID N0:1)
Human_Dickkopf1	CAGTAATTCT TCTAGGCTTC ACACTTGTCA GAGACACTAA (SEQ ID N0:20)

FIG.3B

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Alignment of Dickkopf-1 Amino Acid Sequences

1	50
Human_Dkk1	MMALGAAGAT RVFVAMVAAA LGGHPLLGV S ATLNSVLN.S NAIKNLPPPL
Mouse_Dkk1	MMVVCAPAAV RFLAVFTMMA L CSLPLLGV AS ATLNSVLINS NAIKNLPPPL
Rhesus_Dkk1	MMALGAAGAA RVLVALVAAA LGGHPLLGV S ATLNSVLN.S NAIKNLPPPL
51	100
Human_Dkk1	GGAAGHPGSA VSAAPGILYP GGNKYQTIDN YQPYPYCAEDE ECGTDEYCAS
Mouse_Dkk1	GGAGGQPGSA VSVAPGVLYE GGNKYQTLDN YQPYPYCAEDE ECGSDEYC
Rhesus_Dkk1	GGAAAGHPGSA VSAAPGILYP GGNKYQTIDN YQPYPYCAEDE ECGTDEYCAS
101	150
Human_Dkk1	PTR..GGDAG VQICLACRKR RKRCMRHAMC CPGNYCKNGI CVSSDQNHF.
Mouse_Dkk1	PSRGAAGVGG VQICLACRKR RKRCMTHAMC CPGNYCKNGI CMPSDHSHFP
Rhesus_Dkk1	PTR..GGDAG VQICLACRKR RKRCMRHAMC CPGNYCKNGI CVSSDQNNF.
151	200
Human_Dkk1	RGEIEETITE SFGNDH..ST LDGYSRRRTL SSKMYHTKGQ EGSVCLRSSD
Mouse_Dkk1	RGEIEESIIE NLGNDHNAAA GDGYPRRTTL TSKIYHTKGQ EGSVCLRSSD
Rhesus_Dkk1	RGEIEETITE SFGNDH..ST LDGYSRRRTL SSKMYHSKGQ EGSVCLRSSD
201	250
Human_Dkk1	CASGLCCARH FW SKICKPVL KEGQVCTKHR RKGSHGLEIF QRCYC GEGLS
Mouse_Dkk1	CAAGLCCARH FW SKICKPVL KEGQVCTKHK RKGSHGLEIF QRCYC GEGLA
Rhesus_Dkk1	CATGLCCARH FW SKICKPVL KEGQVCTKHR RKGSHGLEIF QRCYC GEGLS
251	272
Human_Dkk1	CRIQKDHHQA SNSSRLHTCQ RH (SEQ ID N0:21)
Mouse_Dkk1	CRIQKDHHQA SNSSRLHTCQ RH (SEQ ID N0:22)
Rhesus_Dkk1	CRIQKDHHQA SNSSRLHTCQ RH (SEQ ID N0:2)

FIG.4

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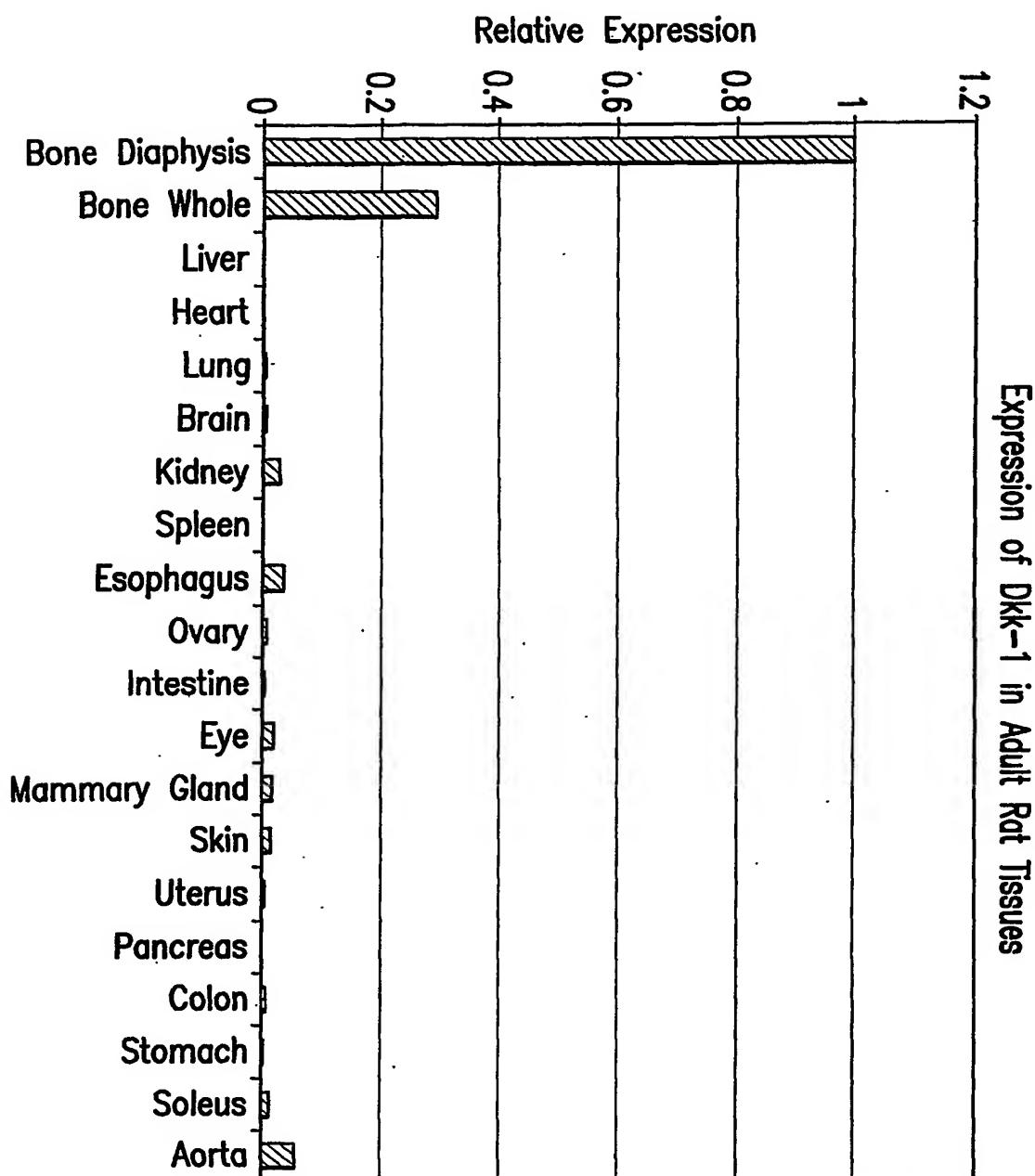


FIG. 5

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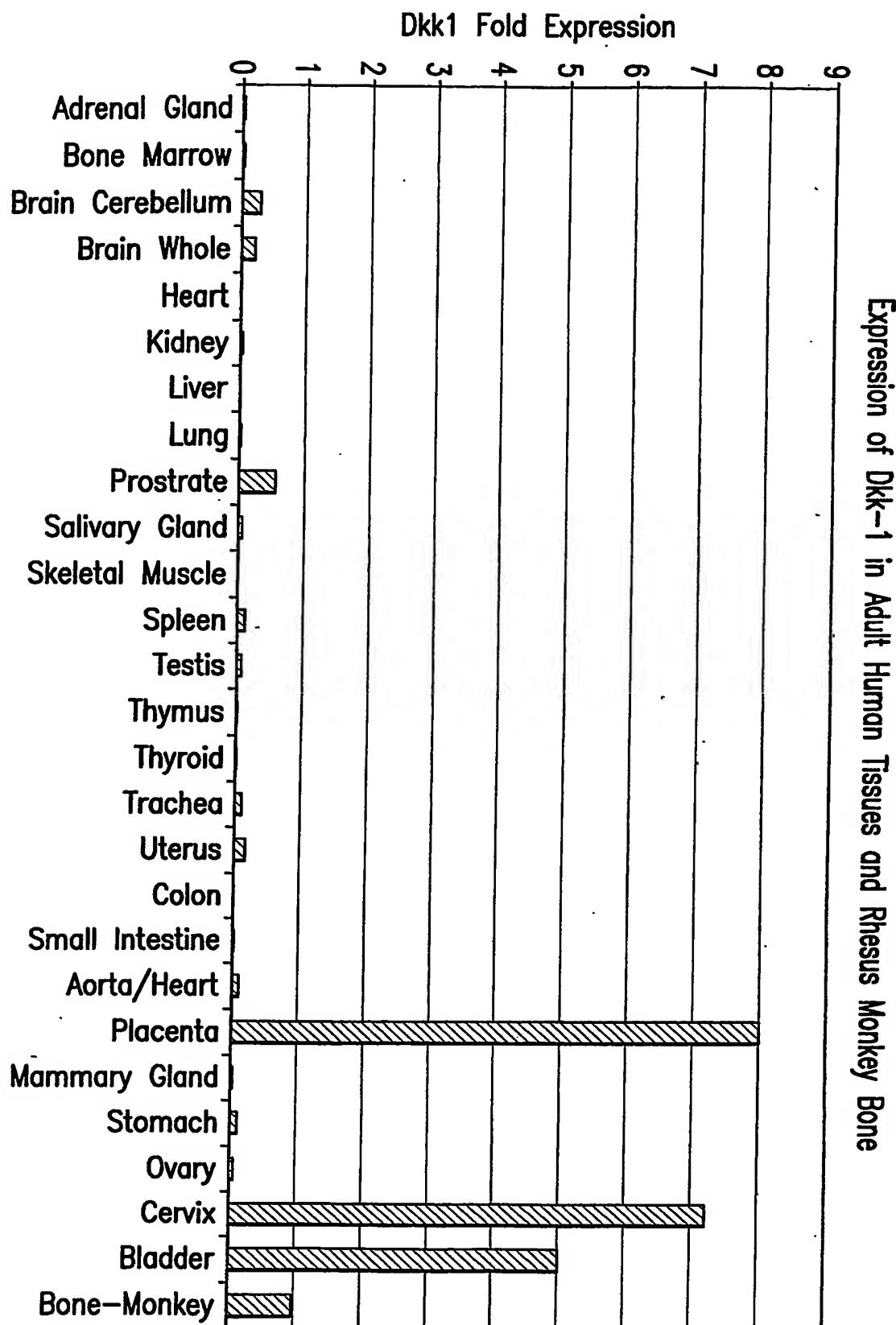


FIG. 6